

Washington Sustainable Design for Students

Imagine an education system that sparks interest in all subjects while preparing us for productive careers and thoughtful citizenship. Let us imagine an education system that produces careful consumers and caring world citizens. -- WA Learns, 2006

Washington Sustainable Design for Students project will create a framework and program that brings industry, business, and higher education partners together with K-12 classrooms to design sustainable solutions to real world challenges. The intent of **Washington Sustainable Design for Students** is to capture the imagination of our students and provide public education with a roadmap to a more hopeful future.

Project Goals

- Inspire and engage students in meaningful, real-world, contextual learning
- Connect teachers and students with higher education faculty, industry experts, and other community members through a cohesive and collaborative process
- Create opportunities for students to solve real-world problems and help build a hopeful future
- Align student learning with core academic content standards (EALRs and GLEs)

Project Components

- Classrooms collaborate with technical support partners including university faculty, government agencies, municipalities, businesses, educational service districts, and non-profit organizations to plan and develop their sustainable projects
- Financial support for projects to classrooms as well as technical support partners
- Projects address a variety of components and systems such as food, water, shelter, energy use, waste stream, transportation, recreation, and governance
- Projects include inputs, outputs, transfers, and transformations of energy, matter, and information in the context of sustainability
- Designs are presented at a summit held at educational service districts throughout the state, displayed at OSPI and presented to WA state legislators

Proposed Timeline

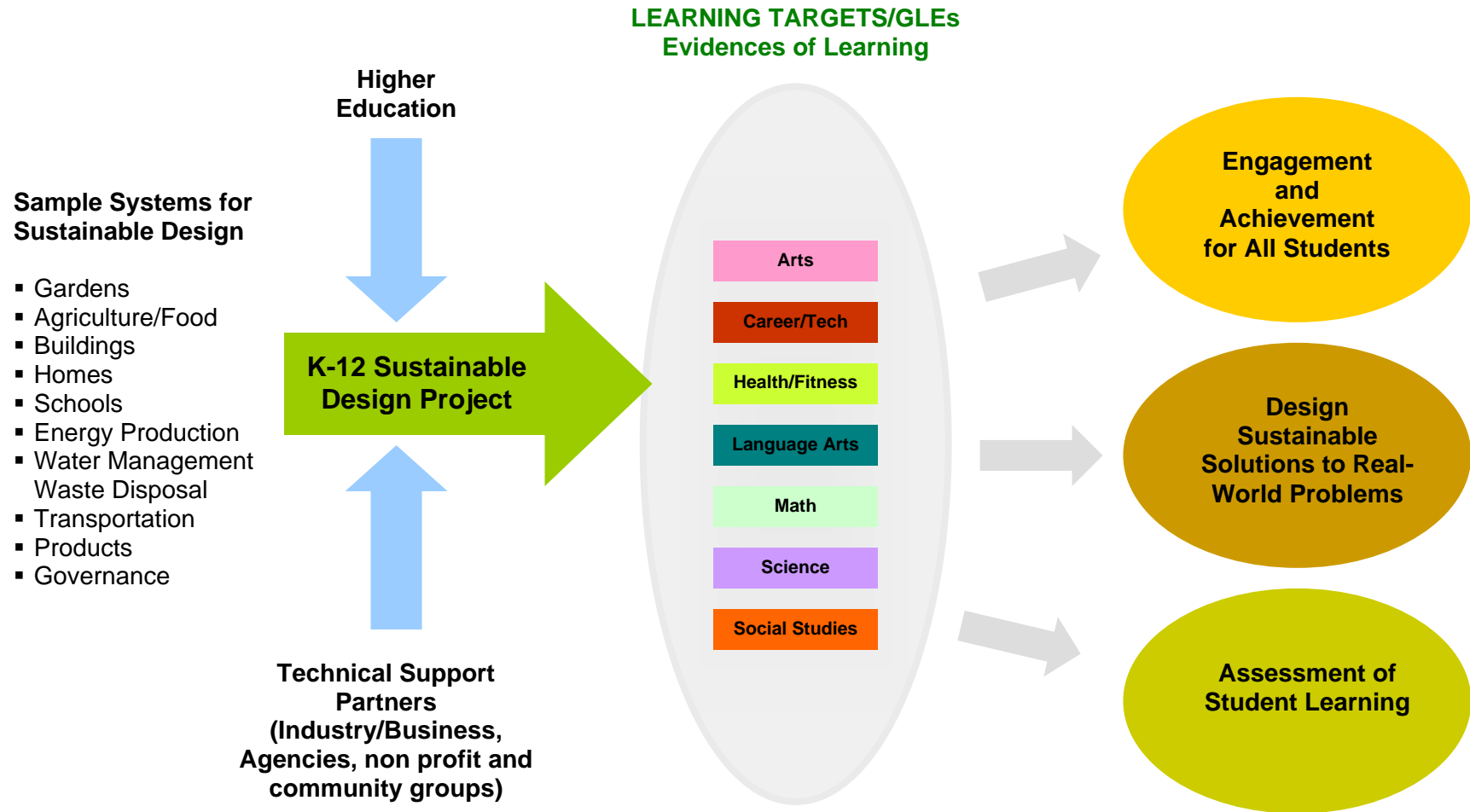
Year 1 June 06-07	Year 2 June 07-08	Year 3 June 08-09	Year 4 June 09-10
Conceptual Plan	Project Planning	Implement Pilot Project	Roll out Plan
<ul style="list-style-type: none"> ▪ Identify and contact partners ▪ Hold focus groups with key partners to define overarching concepts and goals ▪ Develop budget ▪ Obtain funding for a grant writer ▪ Plan 1 day retreat at PSE for K-12 educators and broader technical support partners 	<ul style="list-style-type: none"> ▪ 1 day retreat at PSE to get initial feedback and commitment from partners ▪ Identify funding resources and write grant ▪ 2-3 day retreat with lead group of partners to flesh out plan and develop tools and resources ▪ Plan pilot project with 5-10 schools/districts 	<ul style="list-style-type: none"> ▪ 1-week summer institute with teachers and partners ▪ Sept-October: ½ day meetings of students with technical support partners at colleges/universities to begin project ▪ October-Feb: Classes plan and develop their design projects ▪ Feb: Designs presented at ESD summit ▪ March: Designs displayed at OSPI and presented to legislature 	<ul style="list-style-type: none"> ▪ Scale up to include all ESDs, districts and classrooms

For more information please contact:

Gilda Wheeler, OSPI Sustainability and Environmental Program Coordinator gilda.wheeler@k12.wa.us
 Eric Wuersten, OSPI Science Curriculum Program Supervisor, MSP Administrator eric.wuersten@k12.wa.us
 Greg Williamson, OSPI Director Student Engagement Office greg.williamson@k12.wa.us



WASHINGTON SUSTAINABLE DESIGN FOR STUDENTS



Imagine classes of thinkers, who learn not just memorized answers but also the skills of adapting to change and creating innovative new solutions. -- WA Learns, 2006